

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Uri Cohen

Serial No.:

Filed: October 17, 2003

Grp. Art Unit:

Examiner:

Title of Application: METHODS AND APPARATUS FOR ACTIVATING OPENINGS AND  
FOR JETS PLATING

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

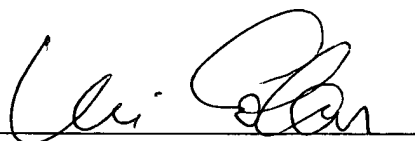
Information Disclosure Statement under 37 CFR 1.98

Applicant respectfully requests that the references listed on the attached form PTO-1449 be considered in the examination of the above-identified application. The listing on the form PTO-1449 shall not be construed as a representation that all of these references are prior art or that no other art than that identified exists. A copy of each reference is enclosed.

Respectfully submitted,

Dated: 10/17/2003

By



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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)										Docket Number (Optional): JETS-02		Application Number:	
										Applicant: Uri Cohen		Group Art Unit:	
										Filing Date: 10/17/2003			
<b>U.S. PATENT DOCUMENTS</b>													
<b>EXAMINER INITIAL</b>	<b>DOCUMENT NUMBER</b>							<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE IF APPROPRIATE</b>	
	3	6	5	2	4	4	2	03/28/72	Powers et al.	204	273		
	3	7	4	3	5	9	0	07/03/73	Roll	204	212		
	3	9	6	3	5	8	8	06/15/76	Glenn	204	16		
	4	1	0	2	7	5	6	07/25/78	Castellani et al.	204	43		
	4	2	6	7	0	2	4	05/12/81	Weiskopf et al.	204	15		
	4	2	7	9	7	0	7	07/21/81	Anderson et al.	204	43		
	4	3	0	4	6	4	1	12/08/81	Grandia et al.	204	23		
	4	3	5	9	3	7	5	11/16/82	Smith	204	212		
	4	3	6	4	8	0	1	12/21/82	Salama	204	15		
	4	5	0	0	3	9	4	02/19/85	Rizzo	204	15		
<b>FOREIGN PATENT DOCUMENTS</b>													
	<b>DOCUMENT NUMBER</b>							<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>Translation YES    NO</b>	
<b>NON-PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>													
	1	M. Matlosz, "Competitive Adsorption Effects in the Electrodeposition of Iron-Nickel Alloys", J. Electrochem. Soc. Vol. 140(8), August 1993, pp. 2272-2279.											
	2.	P. C. Andricacos et al., "Electrodeposition of Nickel-Iron Alloys", J. Electrochem. Soc. Vol 136(5), May 1989, pp. 1336-1340.											
	3	A. R. DESPIC and K. I. POPOV, "Transport-Controlled Deposition and Dissolution of Metals", in Modern Aspect of Electrochemistry, Vol. 7, Edited by B. E. CONWAY and J. O'M. BOCKRIS, pp. 256-268, Plenum Press, N.Y. 1972.											
	4	E. H. LYONS, "Fundamental Principles", in Modern Electroplating, 3 <sup>rd</sup> Edition, edited by F. A. LOWENHEIM, pp. 31-36, John Wiley & Sons, 1974.											
	5	J. JORNE, Challenges in Copper Interconnect Technology: Macro-Uniformity and Micro-Filling Power in Copper Electroplating of Wafers", in Semiconductor Fabtech - 11 <sup>th</sup> Edition, pp. 267-271, February 2000.											
	6	U. COHEN and G. TZANAVARAS, "Seed Layers and Cu Jets Plating for Interconnects Below 0.10 Micron", in the 17 <sup>th</sup> VLSI Multilevel Interconnection Conference (VMIC), pp. 21-26, Santa Clara, California, June 2000.											
<b>EXAMINER</b>									<b>DATE CONSIDERED</b>				
<b>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</b>													